

Title (en)

WAVE ATTENUATION PANEL INSERTED BETWEEN THE MOTOR AND AIR INLET OF AN AIRCRAFT NACELLE

Title (de)

ZWISCHEN DEM MOTOR UND DEM LUFTEINLASS EINER FLUGZEUGGONDEL BEFINDLICHE WELLENABSCHWÄCHUNGSARMATUR

Title (fr)

PANNEAU D'ATTENUATION D'ONDES INTERCALE ENTRE UNE MOTORISATION ET UNE ENTREE D'AIR D'UNE NACELLE D'AERONEF

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Application

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Abstract (en)

[origin: WO2009138685A2] The invention relates to an aircraft nacelle comprising: an air inlet (40) enabling the channeling of an air flow (42) in the direction of a motor (44), said air inlet (40) comprising an inner duct (48) forming an aerodynamic surface (52) in contact with the air flow (42) and extended towards the back by an aerodynamic surface (54) of a duct (56) of the motor, said nacelle comprising a wave attenuation panel (66) intended to limit or prevent the propagation of at least one wave produced during the pumping of the motor and including a layer (68) in contact with the air flow (42) capable of enabling the passage of said at least one wave for which propagation is to be limited or prevented; and at least one honeycomb structure (70) and a reflecting or sealed layer (72); and characterized in that said wave attenuation panel (66) is inserted between the air inlet (40) and the motor (44), and said layer (68) in contact with the air flow (42) ensures the continuity of the aerodynamic surfaces (52, 54) placed downstream and upstream; and in that said wave attenuation panel includes inserts (74) capable of being inserted between the air inlet and the motor such that said wave attenuation panel (66) is not crushed.

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